



## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2022-0396; Project Identifier MCAI-2021-01050-T; Amendment 39-22315; AD 2023-02-08]

RIN 2120-AA64

**Airworthiness Directives; ATR–GIE Avions de Transport Régional Airplanes**

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** The FAA is superseding Airworthiness Directive (AD) 2021-09-13, which applied to certain ATR-GIE Avions de Transport Régional Model ATR42-500 airplanes. AD 2021-09-13 required revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. This AD was prompted by a determination that additional new or more restrictive airworthiness limitations are necessary. This AD retains the requirement of AD 2021-09-13. This AD also requires revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations, as specified in a European Union Aviation Safety Agency (EASA) AD, which is incorporated by reference. The FAA is issuing this AD to address the unsafe condition on these products.

**DATES:** This AD is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of a certain publication listed in this AD as of [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

The Director of the Federal Register approved the incorporation by reference of a certain other publication listed in this AD as of June 23, 2021 (86 FR 27031, May 19, 2021).

**ADDRESSES:**

*AD Docket:* You may examine the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0396; or in person at Docket Operations between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this final rule, the mandatory continuing airworthiness information (MCAI), any comments received, and other information. The address for Docket Operations is U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE, Washington, DC 20590.

*Material Incorporated by Reference:*

- For material incorporated by reference in this AD, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu). You may find this material on the EASA website at [ad.easa.europa.eu](https://ad.easa.europa.eu).
  - You may view this service information at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195. It is also available at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0396.
- FOR FURTHER INFORMATION CONTACT:** Shahram Daneshmandi, Aerospace Engineer, Large Aircraft Section, FAA, International Validation Branch, 2200 South 216th St., Des Moines, WA 98198; telephone 206-231-3220; email [shahram.daneshmandi@faa.gov](mailto:shahram.daneshmandi@faa.gov).

## **SUPPLEMENTARY INFORMATION:**

### **Background**

The FAA issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to supersede AD 2021-09-13, Amendment 39-21527 (86 FR 27031, May 19, 2021) (AD 2021-09-13) (which corresponds to EASA AD 2020-0263, dated December 1, 2020). AD 2021-09-13 applied to certain ATR-GIE Avions de Transport Régional Model ATR42-500 airplanes. AD 2021-09-13 required revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations. The FAA issued AD 2021-09-13 to prevent reduced structural integrity of the airplane.

The NPRM published in the *Federal Register* on April 8, 2022 (87 FR 20783). The NPRM was prompted by AD 2021-0212, dated September 17, 2021, issued by EASA, which is the Technical Agent for the Member States of the European Union (EASA AD 2021-0212) to correct an unsafe condition.

In the NPRM, the FAA proposed to retain the requirements of AD 2021-09-13. The NPRM also proposed to require revising the existing maintenance or inspection program, as applicable, to incorporate new or more restrictive airworthiness limitations, as specified in EASA AD 2021-0212.

The FAA issued a supplemental notice of proposed rulemaking (SNPRM) to amend 14 CFR part 39 to supersede AD 2021-09-13. The SNPRM published in the *Federal Register* on November 10, 2022 (87 FR 67842) (the SNPRM). The SNPRM was prompted by a determination that additional new or more restrictive airworthiness limitations are necessary; EASA superseded EASA AD 2021-0212 and issued EASA AD 2022-0063, dated April 8, 2022 (EASA AD 2022-0063). EASA AD 2022-0063 was issued because ATR-GIE Avions de Transport published Revision 16 of the ATR 42-400/-500 Time Limits Document (TLD), which included new or more restrictive

maintenance tasks and airworthiness limitations. EASA subsequently superseded EASA AD 2022-0063 and issued EASA AD 2022-0200, dated September 26, 2022 (EASA AD 2022-0200) (also referred to after this as the MCAI). EASA AD 2022-0200 states that since EASA AD 2022-0063 was issued, ATR-GIE Avions de Transport published Revision 17 of the ATR 42-400/-500 TLD, which includes new or more restrictive maintenance tasks and airworthiness limitations. In the SNPRM, the FAA proposed to retain the requirements of AD 2021-09-13. The SNPRM also proposed to require revising the existing maintenance or inspection program, as applicable, to incorporate new and/or more restrictive airworthiness limitations, as specified in EASA AD 2022-0200. The FAA is issuing this AD to prevent reduced structural integrity of the airplane.

You may examine the MCAI in the AD docket at [regulations.gov](https://www.regulations.gov) under Docket No. FAA-2022-0396.

## **Discussion of Final Airworthiness Directive**

### **Comments**

The FAA received no comments on the SNPRM or on the determination of the cost to the public.

### **Conclusion**

This product has been approved by the aviation authority of another country and is approved for operation in the United States. Pursuant to the FAA's bilateral agreement with this State of Design Authority, it has notified the FAA of the unsafe condition described in the MCAI referenced above. The FAA reviewed the relevant data, and determined that air safety requires adopting this AD as proposed. Accordingly, the FAA is issuing this AD to address the unsafe condition on this product. Except for minor editorial changes, this AD is adopted as proposed in the SNPRM. None of the changes will increase the economic burden on any operator.

## **Related Service Information under 1 CFR Part 51**

EASA AD 2022-0200 describes new or more restrictive maintenance tasks and airworthiness limitations for airplane structures and for safe life limits of the components.

This AD also requires EASA AD 2020-0263, dated December 1, 2020, which the Director of the Federal Register approved for incorporation by reference as of June 23, 2021 (86 FR 27031, May 19, 2021).

This service information is reasonably available because the interested parties have access to it through their normal course of business or by the means identified in the ADDRESSES section.

### **Costs of Compliance**

The FAA estimates that this AD affects 9 airplanes of U.S. registry. The FAA estimates the following costs to comply with this AD:

The FAA estimates the total cost per operator for the retained actions from AD 2021-09-13 to be \$7,650 (90 work-hours  $\times$  \$85 per work-hour).

The FAA has determined that revising the existing maintenance or inspection program takes an average of 90 work-hours per operator, although the agency recognizes that this number may vary from operator to operator. Since operators incorporate maintenance or inspection program changes for their affected fleet(s), the FAA has determined that a per-operator estimate is more accurate than a per-airplane estimate.

The FAA estimates the total cost per operator for the new actions to be \$7,650 (90 work-hours  $\times$  \$85 per work-hour).

### **Authority for This Rulemaking**

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. Subtitle VII: Aviation Programs, describes in more detail the scope of the Agency's authority.

The FAA is issuing this rulemaking under the authority described in Subtitle VII, Part A, Subpart III, Section 44701: General requirements. Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### **Regulatory Findings**

The FAA determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify that this AD:

- (1) Is not a “significant regulatory action” under Executive Order 12866,
- (2) Will not affect intrastate aviation in Alaska, and
- (3) Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

### **List of Subjects in 14 CFR Part 39**

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### **The Amendment**

Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

### **PART 39 - AIRWORTHINESS DIRECTIVES**

- 1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

### **§ 39.13 [Amended]**

2. The FAA amends § 39.13 by:

a. Removing Airworthiness Directive 2021-09-13, Amendment 39-21527 (86 FR 27031, May 19, 2021); and

b. Adding the following new airworthiness directive:

**2023-02-08 ATR-GIE Avions de Transport Régional:** Amendment 39-22315; Docket No. FAA-2022-0396; Project Identifier MCAI-2021-01050-T.

**(a) Effective Date**

This airworthiness directive (AD) is effective [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

**(b) Affected ADs**

This AD replaces AD 2021-09-13, Amendment 39-21527 (86 FR 27031, May 19, 2021) (AD 2021-09-13).

**(c) Applicability**

This AD applies to ATR-GIE Avions de Transport Régional Model ATR42-500 airplanes, certificated in any category, with an original airworthiness certificate or original export certificate of airworthiness issued on or before July 29, 2022.

**(d) Subject**

Air Transport Association (ATA) of America Code: 05, Time Limits/Maintenance Checks.

**(e) Unsafe Condition**

This AD was prompted by a determination that new or more restrictive airworthiness limitations are necessary. The FAA is issuing this AD to prevent reduced structural integrity of the airplane.

**(f) Compliance**

Comply with this AD within the compliance times specified, unless already done.

**(g) Retained Revision of the Existing Maintenance or Inspection Program, With a New Terminating Action**

This paragraph restates the requirements of paragraph (j) of AD 2021-09-13, with a new terminating action. For airplanes with an original airworthiness certificate or original export certificate of airworthiness dated on or before July 7, 2020: Except as specified in paragraph (h) of this AD, comply with all required actions and compliance times specified in, and in accordance with, European Union Aviation Safety Agency (EASA) AD 2020-0263, dated December 1, 2020 (EASA AD 2020-0263).

Accomplishing the revision of the existing maintenance or inspection program required by paragraph (j) of this AD terminates the requirements of this paragraph.

**(h) Retained Exceptions to EASA AD 2020-0263, With No Changes**

This paragraph restates the exceptions specified in paragraph (k) of AD 2021-09-13, with no changes. For airplanes with an original airworthiness certificate or original export certificate of airworthiness dated on or before July 7, 2020, the following exceptions apply:

(1) The requirements specified in paragraphs (1) and (2) of EASA AD 2020-0263 do not apply to this AD.

(2) Paragraph (3) of EASA AD 2020-0263 specifies revising “the approved AMP [Aircraft Maintenance Program]” within 12 months after its effective date, but this AD requires revising the existing maintenance or inspection program, as applicable, within 90 days after June 23, 2021 (the effective date of AD 2021-09-13).

(3) The initial compliance time for doing the tasks specified in paragraph (3) of EASA 2020-0263 is at the applicable “thresholds” as incorporated by the requirements of paragraph (3) of EASA AD 2020-0263, or within 90 days after June 23, 2021 (the effective date of AD 2021-09-13), whichever occurs later.

(4) The provisions specified in paragraphs (4) and (5) of EASA AD 2020-0263 do



not apply to this AD.

(5) The “Remarks” section of EASA AD 2020-0263 does not apply to this AD.

**(i) Retained Restrictions on Alternative Actions, Intervals, and Critical Design Configuration Control Limitations (CDCCLs), With New Exception**

This paragraph restates the requirements of paragraph (l) of AD 2021-09-13, with a new exception. Except as required by paragraph (j) of this AD, after the maintenance or inspection program has been revised as required by paragraph (g) of this AD, no alternative actions (e.g., inspections), intervals, and CDCCLs are allowed unless they are approved as specified in the provisions of the “Ref. Publications” section of EASA AD 2020-0263.

**(j) New Revision of the Existing Maintenance or Inspection Program**

Except as specified in paragraph (k) of this AD: Comply with all required actions and compliance times specified in, and in accordance with, EASA AD 2022-0200, dated September 26, 2022 (EASA AD 2022-0200). Accomplishing the revision of the existing maintenance or inspection program required by this paragraph terminates the requirements of paragraph (g) of this AD.

**(k) Exceptions to EASA AD 2022-0200**

(1) The requirements specified in paragraph (1) and (2) of EASA AD 2022-0200 do not apply to this AD.

(2) Paragraph (3) of EASA AD 2022-0200 specifies revising “the approved AMP” within 12 months after its effective date, but this AD requires revising the existing maintenance or inspection program, as applicable, within 90 days after the effective date of this AD.

(3) The initial compliance time for doing the tasks specified in paragraph (3) of EASA AD 2022-0200 is at the applicable “limitations” and “associated thresholds” as incorporated by the requirements of paragraph (3) of EASA AD 2022-0200, or within 90

days after the effective date of this AD, whichever occurs later.

(4) The provisions specified in paragraphs (4) and (5) of EASA AD 2022-0200 do not apply to this AD.

(5) The “Remarks” section of EASA AD 2022-0200 does not apply to this AD.

**(l) New Provisions for Alternative Actions, Intervals, and CDCCLs**

After the existing maintenance or inspection program has been revised as required by paragraph (j) of this AD, no alternative actions (e.g., inspections), intervals, and CDCCLs are allowed unless they are approved as specified in the provisions of the “Ref. Publications” section of EASA AD 2022-0200.

**(m) Additional AD Provisions**

The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs)*: The Manager, International Validation Branch, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or responsible Flight Standards Office, as appropriate. If sending information directly to the International Validation Branch, send it to the attention of the person identified in paragraph (n) of this AD. Information may be emailed to: 9-AVS-AIR-730-AMOC@faa.gov. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the responsible Flight Standards Office.

(2) *Contacting the Manufacturer*: For any requirement in this AD to obtain instructions from a manufacturer, the instructions must be accomplished using a method approved by the Manager, International Validation Branch, FAA; or EASA; or ATR-GIE Avions de Transport Régional's EASA Design Organization Approval (DOA). If approved by the DOA, the approval must include the DOA-authorized signature.

**(n) Additional Information**

For more information about this AD, contact Shahram Daneshmandi, Aerospace Engineer, Large Aircraft Section, FAA, International Validation Branch, 2200 South 216th St., Des Moines, WA 98198; telephone 206-231-3220; email [shahram.daneshmandi@faa.gov](mailto:shahram.daneshmandi@faa.gov).

**(o) Material Incorporated by Reference**

(1) The Director of the Federal Register approved the incorporation by reference (IBR) of the service information listed in this paragraph under 5 U.S.C. 552(a) and 1 CFR part 51.

(2) You must use this service information as applicable to do the actions required by this AD, unless this AD specifies otherwise.

(3) The following service information was approved for IBR on [INSERT DATE 35 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(i) European Union Aviation Safety Agency (EASA) AD 2022-0200, dated September 26, 2022.

(ii) [Reserved]

(4) The following service information was approved for IBR on June 23, 2021 (86 FR 27031, May 19, 2021).

(i) EASA AD 2020-0263, dated December 1, 2020.

(ii) [Reserved]

(5) For EASA ADs 2022-0200 and 2020-0263, contact EASA, Konrad-Adenauer-Ufer 3, 50668 Cologne, Germany; telephone +49 221 8999 000; email [ADs@easa.europa.eu](mailto:ADs@easa.europa.eu). You may find these EASA ADs on the EASA website at [ad.easa.europa.eu](http://ad.easa.europa.eu).

(6) You may view this service information at the FAA, Airworthiness Products Section, Operational Safety Branch, 2200 South 216th St., Des Moines, WA. For information on the availability of this material at the FAA, call 206-231-3195.

(7) You may view this service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, email [fr.inspection@nara.gov](mailto:fr.inspection@nara.gov), or go to: [www.archives.gov/federal-register/cfr/ibr-locations.html](http://www.archives.gov/federal-register/cfr/ibr-locations.html).

Issued on January 20, 2023.

Christina Underwood, Acting Director,  
Compliance & Airworthiness Division,  
Aircraft Certification Service.

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